

SECTION 346
TEXTURED CONCRETE

346.1 GENERAL

346.1.1 The work covered by this section consists of furnishing all plant, labor, equipment, materials, and in performing all operations in connection with the construction of colored or non-colored textured concrete in accordance with these specifications, the plans and/or as modified by the Supplemental Specification, and as authorized by the ENGINEER.

346.2 REFERENCES

346.2.1 This publication:
Section 101 Portland Cement Concrete
Section 105 Concrete Curing Compound
Section 107 Joint Filler & Sealant
Material
Section 111 Colored Portland Cement Concrete

346.3 MATERIALS

346.3.1 The cement, aggregates, water, fly ash, and admixtures used in the concrete used in the work constructed under this section shall conform to the requirements of Section 101 or as modified herein or by the plans and/or the Supplemental Specifications and the approved concrete mix design(s).

346.3.2 If required, colored concrete used in the work constructed under this section shall conform to the requirements of Section 111 or as modified by the plans and/or the Supplemental Specifications and the approved concrete mix design(s).

346.3.3 Aggregates

346.3.3.1 When an exposed aggregate textured is specified, a specific size, shape and/or color of aggregate shall be specified on the plans and/or in the Supplemental Specifications.

346.3.3.2 When a stamped texture is specified the maximum nominal size of coarse aggregate shall not be greater than 1/2 inch.

346.4 SUBMITTALS

346.4.1 Along with the normal concrete mix design(s) submittals, the CONTRACTOR shall submit the procedure he will use to remove the cement paste to expose the aggregate when exposed aggregate texture is required. This procedure shall be in accordance with the suppliers' recommendations.

346.4.2 If required by the ENGINEER, whether colored concrete is used or not, a sample of texture shall be made in accordance with Section 111 as modified by the plans and/or Supplemental Specifications.

346.5 CONSTRUCTION REQUIREMENTS

346.5.1 All textured concrete shall have a minimum gradient of 1.5% unless modified on the plans and/or Supplemental Specifications. All textured concrete shall be placed so that the finish lowest elevation of the exposed aggregate or the embedment shall daylight (drain freely) and not trap water.

346.5.2 The forms used for exposed aggregate concrete will need to be raised above the final grade the same height as the height of the concrete past to be removed to insure free drainage.

346.5.3 Patterned concrete shall be consolidated, struck-off to grade and the surface floated to attain a uniform surface. The concrete shall then be stamped, scribed or embossed with the pattern specified here in or called for in the plans and/or Supplemental Specifications, or as approved by the ENGINEER. The depth of the pattern into the concrete surface shall be uniform throughout the entire area and shall not exceed 3/8 inch. All pattern placement shall be completed before the concrete takes its initial set. The pattern tools shall be as manufactured by Bomivite, Impresco, or approved equal.

346.6. TEXTURED CONCRETE CURING

When the textured concrete is covered as part of the curing process, the CONTRACTOR shall use and place the covering in such a manner that the textured finish is not damaged or marred in any way. When colored concrete is used and the curing compound is used, it shall be as specified in Section 111.

346.7 MEASUREMENT AND PAYMENT

Unless modified in the Supplemental Specifications and/or the Bid Proposal textured concrete shall be measured by the square foot for each type and thickness and be paid for at the contract unit price per square foot, which price shall include the subgrade preparation to a depth of two feet (2'), materials, labor, and equipment needed in the placement, consolidation, finishing, and texturing of the concrete.